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MALDON
RURAL DISTRICT COUNCIL

Annual Report
OF THE
MEDICAL OFFICER OF HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

FOR

1950

W. H. Houldershaw, Ltd., Printers, 49-55, London Road,
SOUTHEND-ON-SEA

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COUNCIL OFFICES,
LONDON ROAD,
CHELMSFORD.
5th July, 1951.

**To the Chairman and Members of the
Maldon Rural District Council.**

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour of presenting for your consideration my Annual Report on the health and sanitary circumstances of your District for the year 1950.

The Birth Rate for the year 1950 was 15.9 per 1,000 of the population as against 16.3 for the previous year. The Death Rate was 12.7 as against 13.2 for the year 1949.

Malignant and heart diseases were responsible for 103 deaths or 54.7 per cent of the total deaths.

Fifty-one per cent of the deaths were of persons over 75 years of age and 9.5 per cent of persons under 45 years.

For assistance rendered in the preparation of this Report, I am indebted to Mr. Turner, Senior Sanitary Inspector, and to other colleagues.

To the Council, may I express my appreciation for their consideration.

I am,

Your obedient servant,

JOHN F. MACDONALD.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

Notifiable Diseases (other than Tuberculosis) during 1950.

One hundred and ninety-six cases of notifiable diseases (exclusive of Tuberculosis) were notified during the year as compared with 169 for the previous year.

Notifiable Disease	Total Cases	Under 1	1—2	2—3	3—4	4—5	5—10	10—15	15—20	20—35	35—45	45—65	65 and over	Cases admitted to Hospital	Total Deaths
Scarlet Fever	24	—	—	1	4	5	11	2	—	1	—	—	—	—	—
Whooping Cough ..	25	3	3	3	5	3	8	—	—	—	—	—	—	1	—
Measles	125	1	4	13	15	7	71	8	2	3	1	—	—	2	—
Pneumonia	9	—	1	—	—	1	1	1	—	1	—	2	2	—	—
Food Poisoning	2	—	—	—	—	—	1	—	—	1	—	—	—	—	—
Acute Poliomyelitis (Paralytic)	8	—	1	—	2	—	2	1	—	1	1	—	—	8	1
Erysipelas... ..	2	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Typhoid Fever	1	—	—	—	—	—	—	—	—	—	—	—	1	1	1
Totals	196	4	9	17	26	16	94	12	2	7	3	3	3	12	2

No case of Diphtheria has been notified, during the last nine years, and no death, from this disease, has occurred during the last 15 years. These results are, no doubt, mainly due to the immunisation carried out, among children under 15 years of age.

One fatal case of Typhoid fever occurred during the year. There was a history that the patient had eaten shellfish three weeks before the onset of the illness. Prior to this case, for a number of years, the district had been free from Typhoid and Paratyphoid Fever cases, mainly due to the improved water supply.

Two cases of food poisoning came under observation. A single case in separate families. The source of infection was not known.

Tuberculosis.

New Cases and Mortality during 1950.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1950.

Age Groups				* New Cases				Deaths			
				Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
				M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	...	—	—	—	—	—	—	—	—
1—5	...	...	...	—	—	—	—	—	—	—	—
5—10	...	...	...	—	—	—	—	—	—	—	—
10—15	...	...	...	—	—	—	—	—	—	—	—
15—20	...	...	...	—	—	—	—	—	—	—	—
20—25	...	...	...	—	—	—	—	—	—	—	—
25—35	...	...	...	1	—	—	—	—	—	—	—
35—45	...	...	...	—	—	—	—	—	1	—	—
45—55	...	...	...	—	1	—	—	—	—	—	—
55—65	...	...	...	1	—	—	—	1	—	—	—
65 and over	...	...	...	1	—	1	—	1	—	—	—
TOTALS	...	...	...	3	1	1	—	2	1	—	—

* Not including cases of Tuberculosis removed into the district during the year which had been previously notified elsewhere.

Distribution of Infectious Diseases, 1950.

**Table showing Local Distribution of Cases Notified during
the year 1950.**

PARISH	Scarlet Fever	Whooping Cough	Measles	Pneumonia	Food Poisoning	Poliomyelitis Acute (Paralytic)	Erysipelas	Typhoid Fever	Pulmonary Tuberculosis	Other forms of Tuberculosis
Aithorne	1	5	—	—	—	—	—	—	1	—
Asheldham	1	—	—	—	—	—	—	—	—	—
Bradwell-on-Sea	2	—	22	—	—	—	—	—	—	—
Great Baxted	1	—	—	—	—	1	—	—	—	—
Little Braxted	1	1	1	—	—	—	—	—	—	—
Cold Norton	—	—	—	—	—	—	—	—	—	—
Dengie	—	—	—	—	—	—	—	—	—	—
North Fambridge	—	—	13	—	—	—	—	—	—	—
Goldhangar	—	—	—	—	—	2	—	—	—	—
Hazeleigh	—	—	2	—	1	—	—	—	—	—
Langford	—	—	—	—	—	—	—	—	—	—
Latchingdon	1	2	2	3	—	—	—	—	1	—
Mayland	1	3	—	—	—	—	1	—	1	—
Mundon	—	1	4	—	—	—	—	—	—	—
Purleigh	—	—	5	—	—	3	—	—	—	1
St. Lawrence	—	—	8	—	—	—	—	—	—	—
Southminster	—	—	3	—	—	—	—	—	—	—
Steeple	—	—	—	1	—	—	—	—	—	—
Stow Maries	—	—	1	—	—	—	—	—	—	—
Tillingham	—	3	3	1	—	—	1	1	—	—
Tollesbury	5	—	8	1	—	1	—	—	—	—
Tolleshunt D'Arcy	1	1	1	—	—	—	—	—	—	—
Tolleshunt Knights	1	—	—	1	—	—	—	—	—	—
Tolleshunt Major	—	—	—	—	—	—	—	—	—	—
Great Totham	5	1	15	1	1	—	—	—	—	—
Little Totham	—	2	—	1	—	—	—	—	—	—
Ulting	—	—	1	—	—	—	—	—	—	—
Wickham Bishops	4	6	4	—	—	1	—	—	1	—
Woodham Mortimer	—	—	1	—	—	—	—	—	—	—
Woodham Walter	—	—	31	—	—	—	—	—	—	—
Totals ...	24	25	125	9	2	8	2	1	4	1

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

As from 5th July, 1948, all hospitals providing treatment (or patients in the area have been transferred to Regional Hospital Boards).

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE INFANTS AND HOMELESS CHILDREN IN THE AREA, is provided by the Essex County Council.

AMBULANCE FACILITIES.

These are provided free to patients by the Essex County Council.

The ambulance depot for the area is at the Fire Station, London Road, Maldon.

CLINICS AND TREATMENT CENTRES (provided by the County Council).

Tuberculosis Dispensary :

Combined Treatment Centre, Wantz Chase, Maldon ; 2nd and 4th Thursday, 10 a.m.—12 noon.

Maternity and Child Welfare Centres :

Mayland	Old School, Upper Mayland	1st Thursday in each month 2.30 p.m.	Doctor attends alternate months
Bradwell- on-Sea	Village Hall	1st Wednesday in each month 2.30 p.m.	Doctor in attendance
South- minster	Baptist Chapel School Room	4th Monday in each month 2 p.m.	Doctor attends alternate months
Tollesbury	Institute	1st and 3rd Tuesdays in each month 2 p.m.	Doctor in attendance
Wickham Bishops	Church Room	2nd Wednesday in each month 2.30 p.m.	Doctor in attendance

Maternity and Child Welfare Centres—contd.

Cold Norton	Village Hall	4th Tuesday in each month 2 p.m.	Doetor attends alternate months
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doetor in attendance
Mundon	Victory Hall	4th Monday in each month 2 30 p.m.	Doetor attends alternate months
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
*Woodham Walter	Women's Institute Club Room	3rd Thursday in each month 2.30 p.m.	Doetor in attendance

*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 3rd Thursday.

Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Are	Village Hall	1st Thursday in each month 2.30 p.m.	Doetor attends alternate months
Latchingdon	Village Hall	4th Tuesday in each month	Doetor attends alternate months
Great Braxted	Du Cane Arms	1st Wednesday in each month 2.30 p.m.	Weighing centre No doetor in attendance

Ante-Natal Clinics

Health Centre, Wantz Chase, Maldon	1st and 3rd Tuesdays in each month 9.30 a.m.	Doctor in attendance
Institute, Tollesbury	3rd Monday and 5th Tuesday 1.30 p.m.	Doctor in attendance
Village Hall, Goldhanger	3rd Thursday in each month 2 p.m.	Doctor seen by appointment

Women's Welfare Clinic :

Health Centre, Wantz Chase, Maldon	1st Monday 1.30 p.m.	Doctor in attendance
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Ante-Natal Patients seen prior to Child Welfare Centre on
1st Tuesday at Tollesbury.

School Clinics :

Orthopaedic After Treatment Centre	Health Centre, Wantz Chase, Maldon	Every Tuesday except 3rd 2 p.m. doctor seen by appointment
Minor Ailments Clinic	Health Centre, Wantz Chase, Maldon	Fridays 9.30 a.m.— 12 noon. Doctor in attendance
Eye Clinic	Health Centre, Wantz Chase, Maldon	Doctor seen by ap- pointment
Speech Therapy	Health Centre, Wantz Chase, Maldon	By appointment

Dental Clinics are also held at the Maldon Health Centre
and other places in the district as and when required.

For operative treatment for the removal of Adenoids and
enlarged Tonsils arrangements have been made by the Essex
County Education Committee at the following hospitals :—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford ;
and Essex County, Colchester.

Treatment Centres for Venereal Diseases :

These are situated at Chelmsford and Colchester Hospitals
Oldchurch County Hospital, Romford, and a number of London
General Hospitals.

PROFESSIONAL NURSING IN THE HOME.

(a) General. No arrangements have been made by the District Council, but for General Nursing there are a number under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

HOME HELPS. Are provided through the County Council.

LABORATORY FACILITIES. These services are provided by the Essex County Council and Medical Research Council.

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

Under the Milk and Dairies Regulations, 1949, the control and supervision of the 183 milk producers in the district was transferred as from 1st October, 1949 to the Ministry of Agriculture and Fisheries.

The remaining 15 purely distributors in the district are supervised by the District Council.

Meat and Other Foods.

There are 7 slaughter houses in the district, but owing to Ministry of Food control and centralising of slaughtering, these are used in the main, for the killing of pigs, under the Ministry of Food Domestic Suppliers' scheme.

Routine inspections were made, during the year, of these premises.

WATER SUPPLY

By the end of 1950 a piped water supply from the mains owned by the District Council was available to 92.7 per cent of the population. The figures for each parish are set out in the table on page 11.

The supply is augmented from three local works :—

Springs at Woodham Walter.

Springs at Asheldam.

Deep well at Tollesbury.

The supplies from these three works are chlorinated.

Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water. The following table gives details of the water supplied to the District for the year ending 31st March, 1951 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	137,617,000	377,000
Southend Waterworks Co. ...	5,723,000	16,000
Lexden and Winstree ...	5,572,000	15,000
Total Amount Purchased ...	148,912,000	408,000
Asheldam ...	7,149,000	22,000
Tollesbury ...	1,440,000	5,000
Woodham Walter ...	20,015,000	66,000
Total ...	28,604,000	93,000
Total supplied from All Sources	177,516,000	501,000

**RECORD OF HABITABLE HOUSES AND WATER
SUPPLY AS AT 31st DECEMBER, 1950.**

PARISH	Habitable Houses (not includ- ing Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne	153	144	—	9
Asheldam	51	47	—	4
Bradwell-on-Sea	246	222	17	7
Braxted, Great	119	57	19	43
Braxted, Little	43	38	5	—
Cold Norton	127	126	1	—
Dengie	48	38	—	10
Fambridge, North	96	85	10	1
Goldhanger	155	143	7	5
Hazeleigh	37	33	3	1
Langford	49	31	1	17
Latchingdon	193	173	6	14
Mayland	146	133	7	6
Mundon	90	86	1	3
Purleigh	292	283	7	2
St. Lawrence	108	98	7	3
Southminster	495	454	4	37
Steeple	125	111	3	11
Stow Maries	58	58	—	—
Tillingham	256	209	17	30
Tollesbury	569	554	9	6
Tolls. D'Arcy	269	223	27	19
Tolls. Knights	133	132	1	—
Tolls. Major	123	100	6	17
Totham, Great	399	368	18	13
Totham, Little	86	67	6	13
Ultin	43	17	—	26
Wickham Bishops	275	215	15	45
Woodham Mortimer... ..	108	102	6	—
Woodham Walter	170	123	20	27
TOTALS	5062	4470	223	369

Number of properties served by communal standpipes.

<i>Parish</i>	<i>No. of Standpipes</i>	<i>Properties served</i>
Southminster, Old Heath ...	3	25
T. Major. Pennysbrook ...	1	7
Latchingdon, Riverside Estate	2	Permanent 18 Temporary 128 (incl. hutments, etc.).
Althorne, Smugglers Club Ground	1	Permanent 2 Temporary 54 (incl. hutments, etc.)

**Number of Properties in District receiving water supply
other than from Maldon Rural District Council.**

Langford and Ulting ...	16	Supplied direct by Southend Waterworks
Cold Norton	5	Supplied direct by Southend Waterworks
Ulting	3	Supplied by Braintree R.D.C.
Woodham Mortimer ...	4	Supplied by Maldon Borough Council
Goldhanger	1	Supplied by Maldon Borough Council
Little Totham	4	Supplied by Maldon Borough Council

**Number of Properties outside Maldon Rural District
supplied by Maldon Rural District Council.**

Witham	9
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Sample of Water from the Engine House, Woodham Walter Pumping Station

					<i>Chemical Result in Parts per Million</i>
Appearance	...	...	...	...	Bright with a few mineral particles
Turbidity	...	...	...	...	less than 3
Colour	...	...	...	...	Nil
Odour	...	...	...	...	Nil
pH	...	...	...	...	6.5
Free Carbon Dioxide	...	...	...	...	22
Electric Conductivity	...	...	...	...	350
Total Solids	...	...	...	...	235
Chlorine present as Chloride	...	...	...	...	29
Alkalinity as Calcium Carbonate	...	...	...	...	40
Hardness : Total	...	...	...	...	125
Carbonate	...	...	...	...	40
Non-carbonate	...	...	...	...	85
Nitrate Nitrogen	...	...	...	...	8.4
Nitrite Nitrogen	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	0.000
Oxygen absorbed	...	...	...	...	0.000
Albuminoid Nitrogen	...	...	...	...	0.000
Metals	...	...	...	...	Absent

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C. 10 per ml.

2 days at 37°C. 16 per ml.

3 days at 20°C. Nil.

Presumptive Coli-aerogenes Reaction : Present in —ml.
Absent from 100ml.

Baet. coli (Type I) Present in —ml.
Absent from 100ml.

Cl. Welchii Reaction : Present in —ml.
Absent from —ml.

Report

This sample is practically clear and bright in appearance. The water is faintly acid in reaction and will be corrosive in character. The sample is free from metals apart from a negligible trace of iron. Its hardness and its content of mineral and saline constituents in solution are moderate, and its organic quality and bacterial purity are of a high standard.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

SOUTH ESSEX WATERWORKS COMPANY

Chemical Results in Parts per Million

Appearance	Clear and bright
Colour A.P.H.A.	Under 10
Turbidity, silica scale	Nil
Odour	Nil
Taste	Nil
Electric Conductivity 20°C....	700
Total Solids 180°C.	467
Reaction pH	7.6
Free Chlorine... ..	0.12
Chlorides, as Cl.	41
Total Oxidised Nitrogen	0.53
Nitrites as N	Nil
Hardness permanent	180
Hardness temporary	185
Hardness total	365
Free Ammonia	0.11
Albuminoid Ammonia	0.15
Oxygen absorbed 4 hrs. at 27°C.	2.10
Metals	0.1

Bacteriological Results

Colony Count per ml. on Agar :

1 day at 37°C.	27
3 days at 20°C.	30
Presumptive coliform count per 100 ml. ...	0
Bact. Coli Counter 100 ml. ...	0
Cl. Welchii reaction : Present	0
Absent	

Sample of Water from Asheldham Pumping Station

Chemical Results in Parts per Million

Appearance ... ..	...	...	...	...	Clear and bright
Turbidity (Silica Scale)	...	...	...	...	Nil
Colour (Hazen)	...	...	...	...	Nil
Odour ... ..	...	...	...	...	Nil
Reaction pH ... ..	...	...	...	...	5.5
Free Carbon Dioxide	...	...	...	...	32
Electric Conductivity at 20°C.	...	...	...	...	395
Total Solids, dried at 180°C.	...	...	...	...	265
Chlorine in Chlorides	...	...	...	...	31
Alkalinity as Calcium Carbonate	...	...	...	...	8
Hardness : Total	...	...	...	...	125
Carbonate	...	...	...	...	8 (Temporary)
Non-Carbonate	...	...	...	...	117 (Permanent)
Nitrogen in Nitrates...	...	...	...	...	16
Nitrogen in Nitrites	...	...	...	...	Less than 0.01
Free Ammonia	...	...	...	...	0.000
Oxygen absorbed in 4 hrs. at 27°C.	...	...	...	...	0.000
Albuminoid Ammonia	...	...	...	...	0.020
Metals	...	...	...	...	Absent

Bacteriological Results

Number of Colonies developing on Agar :

1 day at 37°C.	14 per ml.
2 days at 37°C.	35 per ml.
3 days at 20°C.	Nil

Presumptive Coli-aerogenes Reaction :	Present in 100* ml. Absent from 50 ml. Probable number 1 per 100 ml.
Bact. coli. (Type I)	Present in —ml. Absent from 100 ml.
Cl. Welchii Reaction	Present in —ml. Absent from —ml.

* False Presumptive Reaction.

Report

This sample is clear and bright in appearance and is free from metals. It has, however, an acid reaction due to a content of free carbon dioxide which is very high in relation to the alkalinity, and which will result in corrosive and possibly plumbosolvent characteristics. The hardness of the water and its content of mineral and saline constituents in solution are very moderate, and its organic quality is of the highest standard. It is of very satisfactory bacterial purity for a raw water.

These results are indicative of a water which is pure and wholesome in character, and suitable for public supply purposes subject to precautionary chlorination as well as correction of the corrosive characteristics.

Sample of Water from the Mains of the Southend Waterworks Company.

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Bright with very few mineral particles
Turbidity	...	...	...	...	...	Less than 3
Colour	...	...	...	...	...	less than 10
Odour	...	...	...	...	...	Nil
pH	...	...	...	...	...	8.4
Free Carbon Dioxide		...	...	...	...	Absent
Electric Conductivity		...	...	...	...	750
Total Solids	...	...	...	...	...	500
Chlorine present as Chlorides		...	...	...	...	115
Alkalinity as Calcium Carbonate	...	...	...	...	...	105
Hardness : Total	...	...	...	...	...	105
Carbonate		...	...	...	...	105
Non-carbonate		...	...	...	...	0
Nitrate Nitrogen	...	...	...	...	...	2.4
Nitrite Nitrogen	...	...	...	...	...	Less than 0.01
Ammoniacal Nitrogen	...	...	...	...	...	0.507
Oxygen Absorbed	...	...	...	...	...	0.95
Albuminoid Nitrogen	...	...	...	...	...	0.948
Residual Chlorine	...	...	...	...	...	0.03
Metals : Iron	...	...	...	...	...	Less than ...0.03
Other metals	...	...	...	...	...	Absent

Bateriological Results

Number of Colonies developing on Agar :

1 day 37°C. 0 per ml.

2 days at 37°C. 0 per ml.

3 days at 37°C. 0 per ml.

Presumptive coli reaction	...	...	...	Present in 0 ml.
				Absent from 100 ml.
				probable number 0
				per 100 ml.
Bact. coli	...	...	...	Present in 0 ml.
				Absent from 100 ml.
				Probable number
				—ml.
Cl. Welchii reaction	...	...	...	Absent from 100 ml.

Report

This sample is practically clear and bright in appearance, faintly alkaline in reaction and free from metals apart from a negligible trace of iron. The hardness of the water is very moderate and it is free from any excess of mineral or saline constituents in solution. It is of very satisfactory organic quality and conforms to the highest standard of bacterial purity. These results are indicative of a water which is pure and wholesome in character and suitable for drinking and domestic purposes.

RIVERS AND STREAMS.

The Rivers Blackwater and Chelmer flow through the district. Neither of these rivers receives polluting matter to any extent while flowing through the Maldon Rural District. The Chelmsford Corporation Water Act, 1923, authorises the Corporation of Chelmsford to abstract water from the River Chelmer near Sandford Mill in the Rural District of Chelmsford—the quantity not to exceed 1,000,000 gallons per day. The Southend Waterworks Act, 1924, authorises the Southend Waterworks Company to abstract water from the River Chelmer near Rushes Lock and from the River Blackwater at Langford. The Hanningfield Water Order 1950 authorises the South Essex and Southend Waterworks Companies to extract water, not exceeding 43 million gallons in any period of 14 days, from the Chelmer and Blackwater rivers. The Southend Waterworks Act provides that the effluent from the Chelmsford Joint Sewerage Works be carried by a pipe past the point of intake at Rushes Lock and the effluent from the Witham Sewage Works beyond the point of intake from the River Blackwater at Langford. The discharge of such large volumes of sewage effluent into the rivers after a good deal of water has been extracted may cause a nuisance.

DRAINAGE AND SEWERAGE.

There are sewers in the parishes of Southminster, Tillingham, Tolleshunt D'Arcy, Tollesbury and Great Totham, (Aug. 1949). Full use is not made of these Sewers. It is doubtful if they are capable of dealing with all the sewage when existing pail closets are converted into water closets.

The Council have under consideration plans of sewerage schemes for the more populous areas of the district.

The consulting Engineers are Messrs. Lemon and Blizard.

The Sewerage and Sewage Disposal for the parish of Latchingdon, is again receiving the consideration of the Council.

HOUSING

Statistics for the Year, 1950.

Number of new houses erected during the year :—

Total	...	...	...	...	...	...	...	52
(i)	By the Local Authority	...	...	...	...	...	...	36
(ii)	By other bodies and persons	...	...	...	...	...	...	16

The following table classifies the houses erected and owned by the District Council into Parlour and Non-Parlour types.

PARISH	Parlour Type	Non-Parlour Type	Totals
Althorne	—	—	—
Asheldham	5	2	7
Bradwell-on-Sea	12	6	18
Braxted, Great	12	6	18
Braxted, Little	—	4	4
Cold Norton	—	10	10
Dengie	—	8	8
Fambridge, North	—	—	—
Goldhanger	8	38	46
Hazeleigh	—	6	6
Langford	—	—	—
Latchingdon	8	26	34
Mayland	—	12	12
Mundon	10	12	22
Purleigh	8	18	26
St. Lawrence	—	—	—
Southminster	40	28	68
Steeple	10	12	22
Stow Maries	6	12	18
Tillingham	16	6	22
Tollesbury	44	20	64
Tolleshunt D'Arcy	28	16	44
Tolleshunt Knights	—	10	10
Tolleshunt Major	6	12	18
Totham, Great	35	29	64
Totham, Little	4	6	10
Ulting	—	—	—
Wickham Bishops	21	26	47
Woodham Mortimer	8	6	14
Woodham Walter	14	12	26
TOTALS	295	343	638

The total includes six cottages erected by Parish Council in Tolleshunt D'Arcy; six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea. Buildings at Asheldham converted into three dwellings.

Nine cottages (non-parlour) purchased by Council (Wickham Bishops). 18 Agricultural cottages (parlour): Asheldham 4, Southminster 4, Steeple 6, Tolleshunt D'Arcy 4.

**Table showing Census Population 1921 and 1931, and
Number of Houses Census 1931 and December, 1950.**

PARISH	Area in statute acres (land and inland water)	Tidal water and fore- shore	Num- ber of Houses 1931	Census Population		Number of Houses at end of Dec. 1950 excl. of hutments
				1921	1931	
Althorne	2080	255	117	401	390	153
Asheldham	1310	—	42	203	168	51
Bradwell-on-Sea ...	5221	4230	188	747	657	246
Braxted Great	2634	—	85	283	282	119
Braxted Little	622	—	36	109	116	43
Cold Norton	1692	—	102	326	384	127
Dengie	2856	1186	54	181	192	48
Fambridge North...	1242	107	50	177	168	96
Goldhanger	1622	—	107	361	353	155
Hazeleigh	991	—	33	121	114	37
Langford	991	3	49	167	169	49
Latchingdon	3992	207	122	420	419	193
Mayland	1870	—	99	343	360	146
Mundon	3076	—	60	269	251	90
Purleigh	5771	87	223	857	770	292
St. Lawrence	2139	324	20	132	71	108
Southminster	6512	828	439	1592	1403	495
Steeple	2709	47	94	391	343	125
Stow Maries	1610	82	48	147	165	58
Tillingham	4928	2593	211	836	670	256
Tollesbury	4839	2019	467	1721	1694	569
Tolleshunt D'Arcy...	4104	415	236	780	748	269
Tolleshunt Knights	1926	—	78	235	252	133
Tolleshunt Major ...	2253	2	96	338	370	123
Totham Great	3589	—	286	973	982	399
Totham Little	1281	—	85	301	293	86
Ulting	1034	—	37	144	143	43
Wickham Bishops...	1606	—	191	498	639	275
Woodham Mortimer	1387	—	69	229	268	108
Woodham Walter ...	2620	—	141	612	514	170
TOTALS ...	78507	12385	3865	13894	13348	5062

PUBLIC CLEANSING.

At the end of 1950 scavenging was undertaken by the District Council through contractors as follows :—

Althorne	...	...	Removal of contents of pail closets.
Goldhanger	...	...	Removal of contents of pail closets.
Mayland	...	...	Removal of contents of pail closets.
Southminster	...	...	Removal of contents of pail closets and house refuse.
Steeple	...	...	Removal of contents of pail closets.
Tollesbury	...	...	Removal of contents of pail closets and house refuse.
Tolleshunt D'Arcy	...	...	Removal of contents of pail closets and house refuse.
Woodham Walter	...	...	Removal of contents of pail closets.

Owing to difficulty of labour these services were curtailed.

On the whole these contractors carry out the work satisfactorily, but the time has approached when the District Council should undertake scavenging over a much larger area.

In addition to the above, a monthly collection of tins, bottles and similar refuse in 28 parishes is undertaken.

SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

SANITARY INSPECTION OF THE AREA.

INSPECTIONS	NOTICES					
	Number	Informal	Formal	Total complied with	Outstanding at the end of year	
					Informal	Formal
Dwelling Houses :						
Under Housing Regs.	98	—	—	—	—	—
Primary Inspections Re :						
Structural Defects	72	30	—	28	12	—
Nuisances	94	5	—	4	6	—
Overcrowding	207	—	—	—	—	—
Dirty conditions	11	—	—	—	—	—
Re Inspections :						
Under Housing Regs.	4	—	—	—	—	—
Re Structural defects	118	—	—	—	—	—
Nuisances	125	—	—	—	—	—
Overcrowding	38	—	—	—	—	—
Dirty Conditions	30	4	—	4	—	—
Verminous Premises :						
Rats and Mice	104	—	—	—	—	—
Other Pests	60	2	—	2	—	—
Infectious Diseases						
Inquiries	50	—	—	—	—	—
Disinfections	6	—	—	—	—	—
Sewage and Drainage :						
House Drainage Inspections	573	19	—	11	11	—
Tests	43	—	—	—	—	—
Other Forms Inspections	298	2	—	1	2	—
Tests	1	—	—	—	—	—
Inspections re cesspools	108	5	—	6	2	—
Inspections re sewerage	35	2	—	2	—	—
Sanitary Conveniences :						
Dwelling Houses	373	9	—	7	3	—
Other Premises	349	2	—	2	3	—
Water Supply :						
Samples taken	33	6	—	11	—	—
Other visits	658	—	—	—	—	—
Milk and Dairies Inspections :						
Cowsheds	—	—	—	—	—	—
Dairies	70	—	—	—	—	—
Milk samples taken	15	—	—	—	—	—
Food Inspection :						
Meat	9	—	—	—	—	—
Other Foods	14	—	—	—	—	—
Inspections Re :						
Licensed Premises	36	1	—	1	—	—
Offices	1	—	—	—	—	—
Bakehouses	48	—	—	—	—	—
Slaughterhouses	29	—	—	—	—	—
Butchers' Shops	13	—	—	—	—	—
Food Shops	97	—	—	—	—	—
Other Shops	—	—	—	—	—	—
Ice Cream, Man. Premises	1	—	—	—	—	—
Ice Cream, Dealers' Premises	64	—	—	—	—	—
Man. Food Premises	36	—	—	—	—	—
Restaurants	12	—	—	—	—	—
Factories with Mech.	72	—	—	—	—	—
Factories without Mech.	35	—	—	—	—	—
Workplaces	—	—	—	—	—	—
Outworkers Premises	4	—	—	—	—	—
Places of Entertainment	1	—	—	—	—	—
Knackers Yards	2	—	—	—	—	—
Refuse and Salvage	73	1	—	1	1	—
Schools	8	—	—	1	2	—
Rivers, Ditches and Streams	115	4	—	3	1	—
Swimming Pools	11	—	—	—	—	—
Movable Dwelling	317	—	—	—	—	—
Fried Fish Shops	7	—	—	—	—	—
Stables and Piggeries	15	—	—	—	—	—
Miscellaneous Inspections	332	—	—	—	—	—
TOTALS	4925	92	—	84	43	—

Smoke Abatement. No cause for action occurred during the year.

Swimming Baths and Pools. There is a small open-air salt-water pool at Tollesbury,

Knackers' Yards. There is one in the district, situated in the parish of Purleigh.

Moveable Dwellings. During the year 13 licences to site moveable dwellings were granted under Section 269 of the Public Health Act, 1936.

Bakehouses. There are 14 in the district, situated in the following parishes :—Goldhanger 1, Purleigh 2, Southminster 1, Stow Maries 1, Tillingham 2, Tolleshunt D'Arcy 1, Tollesbury 3, Wickham Bishops 2, and Woodham Walter 1.

Generally speaking these are kept clean, and minor improvements in construction have been made during the year, while washing has been carried out with regularity.

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—**Inspections** for the purposes of provisions as to health.
Including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	43	62	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	31	71	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	Nil	Nil	—	—
TOTAL ...	74	133	—	—

2.—Cases in which Defects were found.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	6	4	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Temperature (S.3)	—	—	—	—	—
Inadequate Ventilation (S.4)	1	1	—	—	—
Ineffective Drainage of Floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7) :					
Insufficient	2	1	—	—	—
Unsuitable or Defective	2	1	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work)	—	—	—	—	—
TOTAL ...	11	7	—	—	—

OUTWORK (Sections 110-111)

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of prosecution for failure to supply lists	No. of instances unwholesome premises	Notices Served	Prosecutions
Wearing apparel						
Making etc.	9	—	—	—	—	—
Cleaning and washing ...	—	—	—	—	—	—
Total ...	9	—	—	—	—	—

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	...	...	78,507 (land and inland water)
Population (estimated June 1950)			14,720
"	"	"	under 15 years of age 3,229
Census Population, 1931	...	...	13,348 (new area)
Number of inhabited houses 1931 census	...	...	3,865
Estimated number of houses at end of 1950	...	...	5,062
Rateable Value at 1st April, 1950	...	...	£86,944
Product of a Penny Rate for the year ending :-			
31st March, 1950	...	...	£356 7 11
31st March, 1951	...	...	£363 16 8

Except in certain centres, the District is very sparsely populated. Nearly half of the population is directly or indirectly dependent upon agriculture.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR

		Total	Males	Females	
Live Births	{ Legitimate	222	106	116	Birth Rate per 1,000 of the estimated population
	{ Illegitimate	12	4	8	
					... .. 15.9
Still Births	{ Legitimate	7	4	3	Rate per 1,000 total (live and still) Births ...
	{ Illegitimate	—	—	—	
Deaths	...	188	93	95	Death Rate per 1,000 of the estimated population
					... .. 12.7

Deaths :—

Pregnancy, Childbirth, Abortion	Nil
---------------------------------	-----	-----	-----	-----

Number of deaths of infants under 1 year of age :—

Males 2 (illegitimate Nil), Females 4 (illegitimate nil)

Total 6

Deaths of Infants under 1 year of age :—

Legitimate per 1,000 Legitimate Live Births	...	27
Illegitimate „ „ Illegitimate „ „	...	Nil
All Infants „ „ Live Births	...	25.6

Deaths from Malignant neoplasms (all ages)	...	40
„ „ Measles (all ages)	...	—
„ „ Whooping Cough (all ages)	...	—
„ „ Diarrhoea (under 2 years of age)	...	—

The following tabular statements give details of the number of deaths classified according to age and cause :—

Age			Number of deaths							
			Occurring in district		Of non-residents occurring in district		Of residents occurring outside district		Allotted district	
			M	F	M	F	M	F	M	F
Under 1 year	...	...	1	3	—	—	1	1	2	4
1 and under	2	...	—	—	—	—	—	—	—	—
2 „ „	5	...	—	1	—	—	—	—	—	1
5 „ „	15	...	1	—	—	—	—	1	1	1
15 „ „	25	...	2	—	—	—	—	—	2	—
25 „ „	35	...	—	—	—	—	2	1	2	1
35 „ „	45	...	3	1	1	—	—	1	2	2
45 „ „	55	...	2	3	—	—	1	2	3	5
55 „ „	65	...	7	3	—	1	4	3	11	5
65 „ „	75	...	16	13	—	—	12	9	28	22
75 and over	...	...	25	39	2	1	19	16	42	54
TOTALS	...	...	57	63	3	2	39	34	93	95

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory.	1	1	2
Tuberculosis, other	—	—	—
Syphilitic disease... ..	—	—	—
Diphtheria	—	—	—
Whooping Cough... ..	—	—	—
Meningococcal Infections	—	—	—
Acute Poliomyelitis	—	1	1
Measles	—	—	—
Other Infective and Parasitic Diseases	1	1	2
Maligant Neoplasm, Stomach	1	4	5
Maligant Neoplasm, Lung, Bronchus	3	2	5
Maligant Neoplasm, Breast	—	5	5
Maligant Neoplasm, Uterus	—	1	1
Other Maligant and Lymphatic Neoplasms	19	5	24
Leukaemia, Aleukaemia... ..	—	—	—
Diabetes	1	1	2
Vascular Lesions of Nervous System ...	10	18	28
Coronary Disease, Angina	8	6	14
Hypertension with Heart Disease ...	2	—	2
Other Heart Disease	20	27	47
Other Circulatory Disease	1	1	2
Influenza	—	—	—
Pneumonia	3	2	5
Bronehitis... ..	3	7	10
Other Diseases of Respiratory System	1	—	1
Uleer of Stomach and Duodenum ...	1	—	1
Gastritis, Enteritis and Diarrhoea ...	—	—	—
Nephritis and Nephrosis	1	—	1
Hyperplasia of Prostate	5	—	5
Pregnancy, Childbirth, Abortion ...	—	—	—
Congenital Malformations	—	2	2
Other defined and ill-defined diseases ...	7	11	18
Motor vehiele accidents	2	—	2
All other accidents	2	—	2
Suicide	1	—	1
Homicide and operations of war ...	—	—	—
Totals	93	95	188

COMPARATIVE TABLE OF BIRTH AND DEATH RATES DURING THE YEAR, 1950.

	Rate per 1 000 civilian population		Deaths under 1 year per 1 000 registered live births
	Live Births	Deaths from all causes	
England and Wales ...	15.8	11.6	29.8
126 County Boroughs and Great Towns including London	17.6	12.3	33.8
148 Smaller Towns with Resident Population of from 25,000 to 50,000 (1931 Census)	16.7	11.6	29.4
Maldon Rural District ...	15.9	12.4	25.6

The natural increase in the population, namely, the excess in the number of live births over the number of deaths, is shown in the following tabular statement for each of the ten years 1940—1950.

Year	No. of Births	No. of Deaths	Natural Increase
1940 ...	188	207	—19
1941 ...	202	201	+ 1
1942 ...	205	196	+ 9
1943 ...	193	204	—11
1944 ...	255	174	+81
1945 ...	214	185	+29
1946 ...	268	204	+64
1947 ...	259	192	+67
1948 ...	240	135	+105
1949 ...	223	192	+31
1950 ...	234	188	+46

CENSUS 1951 — PRELIMINARY REPORT.

Area in Statute acres (Land and Inland Water) 78,507	Population			
	Census	Persons	Males	Females
	1951 1931 Cénsal Increase	14,962 13,348 1,614	7,335 6,638 697	7,627 6,710 917
Increase as percentage of 1931 population				12.1

PUBLIC HEALTH STAFF.

Clerk to the Rural District Council L. H. Hiscott

Medical Officer of Health ... John F. Macdonald, M.D.,
Ch.B., D.P.H., who also acts
in this capacity for the Rural
District of Chelmsford.

*Clerk to Medical Officer of
Health* W. D. Hall. (Part Time)

Surveyor and Water Engineer ... I. M. Nicholson, M.I.Mun.E.,
A.M.I.S.E.

Consulting Surveyor W. Almond, A.R.San.I.

Senior Sanitary Inspector ... G. L. Turner, M.R.San.I.
Qualified Inspector of Meat
and other Foods.

Additional Sanitary Inspector ... L. F. Newnham, M.R.San.I.,
Qualified Inspector of Meat
and other Foods.

Housing Assistant V. A. Arnold,

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